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NOTES FROM PACIFIC COAST OBSERVATORIES.

Note on Mt. Hamilton Weather.

The Lick Observatory is now passing through the most severe snow blockade that it has experienced at least since 1889-90. Between January 12th and 16th the snowfall exceeded fifty inches. The latter part of the fall was attended by considerable wind, and long stretches of the road were drifted full. The snowfall was remarkable for the low altitude to which it descended. At Smith Creek it amounted to eighteen inches, and the fall extended down to within one hundred or two hundred feet of the level of the Santa Clara Valley. No stage has reached the summit since January 12th, and at the date of writing, January 22d, we are not expecting the stage to come to the summit for another week at least. The wires which gave us telephone connection with the outside world were broken down under the great weight of snow and ice which collected on them. On two days we did not attempt to communicate with the stage, which ascended as far as Smith Creek. On other days the mails and supplies were carried up over the snow by members of the staff. Fortunately, no illness developed, and the inconvenience of the blockade has thus far not been serious.

The winter has been unusually cold, stormy, and cloudy. The precipitation to date corresponds to about twenty-one inches of rainfall.

W. W. Campbell.

On the Relation between Stellar Spectral Types and the Intensities of Certain Lines in the Spectra.[1]

During the past summer, in connection with the measurement of spectrograms obtained at the Mills Observatory in Chile by Professor Wright, an investigation of the individual spectrum lines was begun, with a view of determining whether

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[1] A more complete account of this investigation is published in *Lick Observatory Bulletin,* No. 106, and in *Astrophysical Journal,* Vol. 24, p. 333, 1906.